



## AMD AM2 CPU HT2000 and Dual DDR2 800 Motherboard

The PE-AM2RS690MH motherboard, supporting the most powerful and energy efficient AM2 processors, is based on AMD 690G CHIPSET with ATI RADEON X1250 GRAPHICS. The integrated graphics features HDMI connection, enabling users to experience faster graphics performance and higher video quality.



### Ready FOR Windows Vista



### Socket AM2

Supports AMD Socket AM2 Athlon 64 FX/Athlon 64 X2 Dual-Core/Athlon 64/Sempron processors with 64-bit architecture. Features 2000 MT/s HyperTransport technology and dual-channel DDR2 800 memory support.



Dual Core

### Dual Core

Outperforms single-core processors on most multithreaded applications while running at lower clock speeds and consuming less power.



Dual Channel DDR2 800

### Dual DDR2 800

Doubles the bandwidth of your system memory up to 12.8GB/s and pumps up the system performance.



Serial ATA II 3Gb/s

### Serial ATA II

Doubles the transfer speed of SATA, running at speed up to 3.0Gb/s, and fully compatible with the soon-to-be-released SATA HDD, CD-ROM and other cutting-edge devices with NCQ function support.



HDMI Output

### HDMI Output

HDMI (High-Definition Multimedia Interface) is the first and only industry-supported, uncompressed, all digital audio and video interface via a single cable and is HDCP compliant allowing playback of HD DVD, Blu-ray Disc and other protected content.



8-Channel HD Audio

### 8-Channel HD Audio

Integrated 8-channel HD Audio CODEC delivering advanced multi-channel audio and bringing you the experience of home theater-quality sound.



### BIOS Protection

When unexpected error occurs, even the BIOS crashes down, you can restore your BIOS with just simply clicking to restart your system. The backup bin file will recover automatically within a few minutes. Moreover, the embedded Hardware Debug Port offers you the real-time visual system healthy for the demanding usage of computing.



Gigabit LAN

### Gigabit LAN

Delivers transfer speed ten times faster than conventional 10 / 100 Ethernet connections, supporting a high transfer rate up to Gigabit/s. Gigabit LAN is the networking standards for the future and is ideal for handling large amount of data such as video, audio, and voice.



PCI EXPRESS x16

### PCI Express x16

Delivers up to a 4x increase in graphics and 2x I/O bandwidth for smooth multimedia performance.

## SPECIFICATIONS

CPU	<ul style="list-style-type: none"> <li>• Socket AM2 for AMD K8 Athlon 64/ Athlon 64 X2 Dual Core / Athlon 64 FX processor.</li> <li>• High-performance HyperTransport CPU Interface</li> <li>• Support transfer rate of 2000/1600/1200/800/400 mega-transfers per second</li> </ul>
Chipset	<ul style="list-style-type: none"> <li>• AMD 690G &amp; AMD SB600</li> <li>- North Bridge: AMD 690G</li> <li>- South Bridge: AMD SB600</li> </ul>
Memory	<ul style="list-style-type: none"> <li>• Dual-channel DDR memory architecture</li> <li>• 4 x 240-pin DDR2 DIMM socket support up to 8 GB</li> <li>• Support DDR2 800/533/400 DDR2 SDRAM</li> </ul>
Expansion Slots	<ul style="list-style-type: none"> <li>• 1 x PCI Express x16 slot</li> <li>• 2 x PCI slots</li> </ul>
STORAGE	<ul style="list-style-type: none"> <li>• Support by SB600</li> <li>- 4 x Serial ATAII devices</li> <li>- 2 x Ultra DMA 133/100/66 devices</li> <li>- RAID0, RAID1, RAID 0+1 configuration</li> </ul>
Audio	<ul style="list-style-type: none"> <li>• Realtek ALC880 8-channel HD Audio codec</li> </ul>
LAN	<ul style="list-style-type: none"> <li>• Realtek 8111B Gigabit LAN controller</li> </ul>
Real Panel I/O	<ul style="list-style-type: none"> <li>• 1 x PS/2 keyboard &amp; PS/2 mouse connectors</li> <li>• 1 x VGA port</li> <li>• 4 x USB ports</li> <li>• 1 x Audio port</li> <li>• 1 x HDMI connector</li> <li>• 1 x RJ45 LAN connector</li> </ul>
Internal I/O Connectors & Headers	<ul style="list-style-type: none"> <li>• 1 x 24-pin ATX Power Supply connector</li> <li>• 1 x 8-pin 12V connector</li> <li>• 1 x FDD connector</li> <li>• 4x Serial ATA connectors</li> <li>• 2 x USB 2.0 header support additional 4 USB ports</li> <li>• 1 x Front panel switch/LED header</li> <li>• 1 x Front panel audio header</li> <li>• 1 x Parallel header</li> <li>• 1 x COM1 header</li> <li>• CPUFAN/SYSFAN connectors</li> <li>• 1 x IDE connector</li> <li>• 1 x TV OUT header</li> <li>• 1 x CD-in header</li> <li>• Debug Port</li> </ul>
System BIOS	<ul style="list-style-type: none"> <li>• Award BIOS with 4Mb Flash ROM + Backup BIOS</li> <li>• Supports Plug and Play 1.0A, APM 1.2, Multi Boot, DMI</li> <li>• Supports ACPI revision 1.0 specification</li> </ul>
Form Factor	<ul style="list-style-type: none"> <li>• Micro-ATX Size, 244mm*210mm</li> </ul>